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NOTICE OF ALLOWANCE AND FEE(S) DUE

23405 7590 03/17/2008
HESLIN ROTHENBERG FARLEY & MESITI PC
5 COLUMBIA CIRCLE
ALBANY. NY 1/2/03

EXAMINER
PHILOGENE, HAISSA
ART UNIT PAPER NUMBER
2821
DATE MAILED: 03/17/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/569,588	10/10/2006	Shu-hung Henry Chung	2055.052	6641

TITLE OF INVENTION: APPARATUS AND METHOD FOR PROVIDING DIMMING CONTROL OF LAMPS AND ELECTRICAL LIGHTING SYSTEMS

APPLN, TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV, PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
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nonprovisional	YES	\$720	\$300	\$0	\$1020	06/17/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 1SI. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and I/2 the ISSUE FFE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This is appropriate. All further c indicated unless corrected maintenance fee notificati	form should be used for correspondence includir d below or directed oth ions.	or tran ig the l ierwise	smitting the ISSU Patent, advance or in Block 1, by (a					nould be completed where correspondence address as trate "FEE ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)					Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.			
23405 7590 03/17/2008 HESLIN ROTHENBERG FARLEY & MESITI F 5 COLUMBIA CIRCLE ALBANY, NY 12203			& MESITI PC	I he Stat add tran	reby certify that th	is Feet	of Mailing or Transi s) Transmittal is being ficient postage for firs ISSUE FEE address I) 273-2885, on the di	mission deposited with the United t class mail in an envelope above, or being facsimile ate indicated below.
								(Depositor's name)
								(Signature)
								(Date)
APPLICATION NO.	FILING DATE			FIRST NAMED INVENTOR		ATTO	RNEY DOCKET NO.	CONFIRMATION NO.
10/569,588	10/10/2006			Shu-hung Henry Chung			2055.052	6641
TITLE OF INVENTION SYSTEMS	i: APPARATUS AND	MET	HOD FOR PROV	VIDING DIMMING CON	TROL OF LAM	PS AN	D ELECTRICAL LI	GHTING
APPLN. TYPE	SMALL ENTITY	IS	SUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUI	S FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES		\$720	\$300	\$0		\$1020	06/17/2008
EXAMI	NER		ART UNIT	CLASS-SUBCLASS	1			
PHILOGENE	E, HAISSA		282I	315-224000	,			
1. Change of correspondence address or indication of "Fee Address' (27 ER 1.863). Change of correspondence address (or Change of Correspondence Address from PTO/SB/12 and Experiment of Change of Correspondence Address from PTO/SB/12 and Experiment of Change of Correspondence Address from PTO/SB/12 and Experiment of Change of Correspondence Address from PTO/SB/12 and Experiment of Change of Correspondence Address from PTO/SB/12 and Experiment of Change of Correspondence Address from PTO/SB/12 and Experiment of Change of Correspondence Address from PTO/SB/12 and Experiment of Change of Correspondence Address from PTO/SB/12 and Experiment of Experiment o								
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				Payment by credit car	d. Form PTO-2038	is atta	ched.	
Advance Order - # of Copies					ficiency, or credit any n extra copy of this form)			
	SMALL ENTITY state	s. See	37 CFR I.27.	b. Applicant is no lon	ger claiming SMAI	LEN		
NOTE: The Issue Fee and interest as shown by the re	Publication Fee (if requeords of the United Sta	iired) v tes Pate	will not be accepted ent and Trademark	d from anyone other than t Office.	he applicant; a regi	stered a	ittorney or agent; or th	e assignee or other party in
Authorized Signature				Date				
Typed or printed name				Registration N				
This collection of informa an application. Confidenti submitting the completed this form and/or suggestion Box 1450, Alexandria, Vi Alexandria, Virginia 2231	tion is required by 37 C iality is governed by 35 application form to the ons for reducing this bur rginia 22313-1450. DC .3-1450.	FR 1.3 U.S.C. USPT den, st NOT	11. The informatic 122 and 37 CFR O. Time will vary hould be sent to the SEND FEES OR O	on is required to obtain or a 1.14. This collection is est depending upon the indiv e Chief Information Office COMPLETED FORMS To	etain a benefit by t imated to take 12 i idual case. Any co er, U.S. Patent and D THIS ADDRESS	he publ minutes mment Traden i. SENI	ic which is to file (and to complete, includin s on the amount of tir ark Office, U.S. Depa D TO: Commissioner I	I by the USPTO to process) g gathering, preparing, and ne you require to complete utment of Commerce, P.O. for Patents, P.O. Box 1450,

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HESLIN ROTH	ENBERG FARLEY	PHILOGENE, HAISSA		
5 COLUMBIA C		ART UNIT	PAPER NUMBER	
ALBANY, NY 1	2203	2821		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 98 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 98 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability

Application No.	Applicant(s)	
10/569,588	CHUNG ET AL.	
Examiner	Art Unit	
Haissa Philosopa	2021	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address-All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

- This communication is responsive to application filed 10/10/06,
- The allowed claim(s) is/are 1-28.
- 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a)

 All b)

 Some* c)

 None of the:
 - 1. T Certified copies of the priority documents have been received.
 - 2. Certified copies of the priority documents have been received in Application No. _____
 - Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDOMMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

- A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
- 5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) Thereto or 2) to Paper No./Mail Date
 - (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- 1. Notice of References Cited (PTO-892)
- 2.
 Notice of Draftperson's Patent Drawing Review (PTO-948)
- 3. Information Disclosure Statements (PTO/SB/08),
- Paper No./Mail Date <u>2/23/06</u>; <u>10/10/06</u>

 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material
- 5. Notice of Informal Patent Application
- Interview Summary (PTO-413), Paper No./Mail Date .
- 7. X Examiner's Amendment/Comment
- 8. X Examiner's Statement of Reasons for Allowance
- Other _____.

/Haissa Philogene/ Primary Examiner, Art Unit 2821

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Application/Control Number: 10/569,588

Art Unit: 2821

DETAILED ACTION

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

In claim 1,

-line 5, "the" before "voltage" has been changed to -a--;

-lines 9-10, "the" before "current" changed to -a--.

In claim 6,

-line 2, "said" before "desired value" changed to -a--.

In claim 10,

-line 6, "the" before "voltage" has been changed to -a--:

-lines 10-11, "the" before "current" changed to -a--.

In claim 15.

-line 2, "said" before "desired value" changed to -a--.

In claim 22,

-line 4, "the" before "voltage" has been changed to -a --;

-line 6, "the" before "current" changed to -a --.

Application/Control Number: 10/569,588

Art Unit: 2821

Allowable Subject Matter

The following is an examiner's statement of reasons for allowance: The prior art fails to disclose the recited limitations: an auxiliary voltage inserted between the AC supply and the ballast and being out of phase with said AC supply, whereby the supply voltage is the vectorial combination of a voltage applied to ballast and the auxiliary voltage, wherein the phase of the auxiliary voltage is maintained 90 or 270 degrees out of phase with a current flowing therethrough (claims 1, 10 and 22). The remaining claims 2-9, 11-21 and 23-28 are allowed by virtue of their dependencies from the independent claims. Hence, the examiner has allowed claims 1 through 28.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Hui et al., Patent No. 6,545,431 ; Hui, Patent No. 6,486,615 ; Katyl et al., Patent No. 5,519,289 ; Motto et al., Patent No. 5,144,205 ; Murcko et al., Patent No. 6,218,787.

Correspondence

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Haissa Philogene whose telephone number is (571) 272-1827. The examiner can normally be reached on 8:30 A.M.-6:00 P.M..

Application/Control Number: 10/569,588 Page 4

Art Unit: 2821

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Douglas W. Owens can be reached on (571)272-1662. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/H. P./

/Haissa Philogene/ Primary Examiner, Art Unit 2821